

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.: MO-0106933

Owner: BP Pipelines North America, Inc.
Owner's Address: 28100 Torch Parkway Suite 800, Warrenville, IL 60555

Continuing Authority: Same as owner
Continuing Authority's Address: Same as owner

Facility Name: BP Pipelines North America, Inc. – Freeman Terminal
Facility Address: 700 East Main, Freeman, MO 64746

Legal Description: Outfall #001 - SW ¼, SE ¼, Sec. 7, T44N, R32W, Cass County
Outfall #002 - SE ¼, NW ¼, Sec. 18, T44N, R32W, Cass County
Outfall #003 - SW ¼, SE ¼, Sec. 7, T44N, R32W, Cass County

Receiving Stream: South Grand River (P)
First Classified Stream and ID: South Grand River (P) (1249)
USGS Basin & Sub-watershed No.: (10290108 – 020003)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 - Industry - SIC #4612
Tank cleaning & Hydrostatic testing
Design flow is 0.072 MGD.

(continued next page)

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

December 9, 2005
Effective Date

Doyle Childers, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

December 8, 2010
Expiration Date
MO 780-0041 (10-93)

Edward Galbraith, Director of Staff, Clean Water Commission

FACILITY DESCRIPTION (continued)

Outfall #002

Stormwater runoff

Design flow is 0.914 MGD.

Actual flow is dependent upon precipitation.

Outfall #003

Stormwater runoff

Design flow is 5.6 MGD.

Actual flow is dependent upon precipitation.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 3 of 6	
					PERMIT NUMBER MO-0106933	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001 (Note 1)</u>						
Flow	MGD	*		*	once/discharge	24 hr. total
Total Suspended Solids	mg/L	100		50	once/month	grab
Settleable Solids	ml/L/hr	2.5		1.0	once/month	grab
Benzene	mg/L	0.05		0.05	once/month	grab
Ethylbenzene	mg/L	**		**	once/month	grab
Toluene	mg/L	**		**	once/month	grab
Xylene	mg/L	**		**	once/month	grab
BETX, Total	mg/L	0.75		0.75	once/month	grab
Total Petroleum Hydrocarbons	mg/L	10		10	once/month	grab
Oil & Grease	mg/L	15		10	once/month	grab
pH – Units	SU	***		***	once/month	grab
MTBE	mg/L	*		*	once/quarter****	grab
<u>Outfalls #002 & #003</u>						
Flow	MGD	*		*	once/month	24 hr estimate
Total Suspended Solids	mg/L	100		50	once/month	grab
Settleable Solids	ml/L/hr	2.5		1.0	once/month	grab
Oil & Grease	mg/L	15		10	once/month	grab
pH – Units	SU	***		***	once/month	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>April 28, 2006</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

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					PERMIT NUMBER MO-0106933	
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		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfalls #002 & #003</u>						
Benzene	mg/L	0.05		0.05	once/quarter****	grab
Ethylbenzene	mg/L	**		**	once/quarter****	grab
Toluene	mg/L	**		**	once/quarter****	grab
Xylene	mg/L	**		**	once/quarter****	grab
BETX, Total	mg/L	0.75		0.75	once/quarter****	grab
Total Petroleum Hydrocarbons	mg/L	10		10	once/quarter****	grab
MTBE	mg/L	0.020		0.020	once/quarter****	grab
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MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** Total BETX shall be measured as the sum of Benzene, Ethylbenzene, Toluene, and Xylene.
- *** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- **** Samples may be collected at any time in the quarter. Report once per quarter in March, June, September, and December.

Note 1 - Effluent from Outfall #001 shall be monitored prior to co-mingling or dilution with storm water. Sample once per month in months during which discharge occurred.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list. The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

C. SPECIAL CONDITIONS (continued)

2. All outfalls must be clearly marked in the field.

3. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
- (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

4. Report as no-discharge when a discharge does not occur during the report period.

6. Water Quality Standards

- (a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
- (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (5) There shall be no significant human health hazard from incidental contact with the water;
 - (6) There shall be no acute toxicity to livestock or wildlife watering;
 - (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

8. This permit does not authorize discharge of hydrostatic test water containing dyes.

9. A schedule of maintenance for the wastewater and stormwater treatment systems must be implemented. Records of routine maintenance activities and repairs to the system must be maintained. Inspection and maintenance records shall be made available to the staff of the Missouri Department of Natural Resources upon request.

10. All hydrostatic test water, tank and pipeline cleaning wastewater, and other petroleum-contaminated wastewaters must be treated through the wastewater treatment system prior to discharge.

11. Prior to any pumped discharge, water in any secondary containment structures shall be examined for visual sheen or other contaminants. If evidence of contamination is present, the water shall be treated prior to discharge. A log of such inspections and findings shall be kept on-site and made available to staff of the Missouri Department of Natural Resources upon request.

12. At a minimum of once per month, the tank system shall be visually inspected for problems that could lead to leakage. Identified problems should be repaired immediately. A log of such inspections and findings shall be kept on-site and made available to staff of the Missouri Department of Natural Resources upon request.

C. SPECIAL CONDITIONS (continued)

13. The permittee shall report any unusual occurrences such as spills, tank failures or overflows, ruptured piping or other upsets which result in any loss of product or additive within 24 hours of the occurrence. A written report of such occurrences shall be submitted within five (5) working days of request from the Missouri Department of Natural Resources. The report shall also detail any remedial work undertaken to recover product or clean-up of the site.
14. Permittee shall provide sediment and erosion control sufficient to prevent or control pollution to waters of the state. This could include the use of straw bales, silt fences, sediment basins, or other structures as needed to comply with effluent limits.

D. SCHEDULE OF COMPLIANCE

1. Within 90 days of issuance of this permit, submit to the Kansas City Regional Office a plan for correcting the deficiencies noted during the August 8, 2005 inspection and bringing the facility into compliance with the effluent limits. This plan must include treatment devices for outfalls 002 & 003.
2. Within 180 days of department approval of the plan, complete installation or construction of necessary treatment devices. Some treatment devices require a construction permit, but the Kansas City Regional Office may waive the requirement for a construction permit. If a construction permit waiver is requested, it must be obtained before construction begins.